

## ABSTRACT

A system and method for sensing alternator current levels are disclosed. The system includes the combination including an operational amplifier having an input and an output, an input resistor connecting the input to a signal indicative of an alternator current level, and a feedback resistor connected between the input and the output. The system further includes an adjustment resistor and a switching element coupled in series between the input and the output, in parallel with the feedback resistor, and a processor coupled to the output. The processor is operable, based upon a current indication related to a level of alternator current indicated at the output, to control the operation of the switching element such that the switching element is closed when the current indication increases to exceed a first threshold, and such that the switching element is opened when the current indication decreases to fall below a second threshold.